

ITU-TS SG 7 회의 국내기고서

UIT—Secteur de la normalisation des telecommunications
ITU—Telecommunication Standardization Sector
UIT—Sector de Normalizacion de las Telecomunicaciones

Commission d'etudes)	Contribution tardive)
Study Group) 7	Delayed Contribution) D
Comision de Estudio)	Contribution tardia)
Geneve, 7-18 February 1994	Texte disponible seulement)
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Question : 23/7

SOURCE : Korea(Republic of)

TITLE : 멀티캐스트 서비스를 포함하기 위한 Draft Amendment to X.214에 대한 제안

요 약 : 멀티캐스트 서비스를 포함하기 위한 Draft Amendment to X.214에 대한 의견 요구에 대하여 부분적인 수정과 새로운 제안을 한다. 기본적으로 “peer-to-peer”, “multicast”, 그리고 “multipeer”들을 확실하게 구별하며, 이를 추상적 모델로 제시한다.

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멀티캐스트 서비스를 포함하기 위한 Draft Amendment to X.214에 따르면, 단지 멀티피어 데이터 전송 (Multipeer Data Transmission)과 그룹연결(Group connection)만 3.3.8절과 3.3.9절에 각각 정의되어

있다. 본 기고서는 이것들만으로는 충분하지 않을 뿐 아니라 기 정의된 것들이 정확하게 되어있지 않다고 생각되어 다음과 같은 제안들을 하는 바이다.

3.3.2절 Calling TS user

기고서의 “transport connection”의 어귀 뒤에 다음의 어귀를 추가한다: “or group connection”

3.3.3절 Called TS user

기고서의 “transport connection”의 어귀 뒤에 다음의 어귀를 추가한다: “or group connection”

3.3.8절 Multipeer Data Transmission

이 절은 다음의 절들로 대체한다: 3.3.a, 3.3.b, and 3.3.c

근거: 다음의 절들에서 Multicast transmission과 Multipeer transmission에 대한 정의를 구분하여 다시 정의한다.

Peer-to-peer는 One-to-one통신이다.

Multipeer는 NOT peer-to-peer, i.e. NOT one-to-one.

Multicast는 peer-to-peer도 아니고, multipeer 그 자체도 아니다.

3.3.9절 Group Connection

이 절은 다음의 절들로 대체한다: 3.3.d and 3.3.e. 특별히, 어귀 “Transport Connection”는 비록 X.210/ISO/IEC 7498에 근거하여 정의된 것이라 하여도 X.214의 3.3.1절에 명확하게 “...between two TS users for...”라고 명시되어 있으므로 혼돈이 된다.

3.3.a절 (Transport) Multicast Data Transmission

하나의 Data unit(TSDU)를 송신자로 부터 하나 또는 그 이상의 수신자에게 전송: 이는 한번의 서비스 요구에 대하여 일 대 다의 전송이다. 만약 이것이 비연결형모드에서 정의되면 단방향 일 대 다의 전송이 될 것이고, 연결형모드에서는 multicast group connection을 사용하여 전송될 것이다.

3.3.b절 (TS) 그룹 사용자(Group User)

(Transport)Multicast Data Transmission에 참여하는 (TS)사용자, (TS) Group은 (TS) Group사용자들로 구성된다. 이 Group은 이미 잘 정의된 규칙에 의하거나 또는 그룹을 처음으로 요구하는 사용자에게 의하여 정의된다.

3.3.c절 (Transport) Multipeer Data Transmission

(TS) Group사용자들간의 데이터 전송. 이는 그룹사용자들간에 하나 또는 그 이상의 (Transport) Multicast Data Transmission(s)들로 구성될 수 있다.

3.3.d절 Multicast(Transport) Group Connection

트랜스포트 계층에서 데이터 전송을 위하여 그룹을 처음 부른 TS user와 그룹에 참여한 다른 TS user들 간에 형성된 연결관계로 이는 일 대 다 연결이다.(그림 1 참조)

3.3.e절 Mulipeer(Transport) Group Connection

트랜스포트 계층에서 데이터 전송을 위하여 그룹에 참여한 TS user들간에 형성된 연결관계로, 그림 2와 같이 완전히 연결된 상태로 있을 수 있고, 그림 3과 같이 부분적으로 연결된 상태도 있을 수 있다.

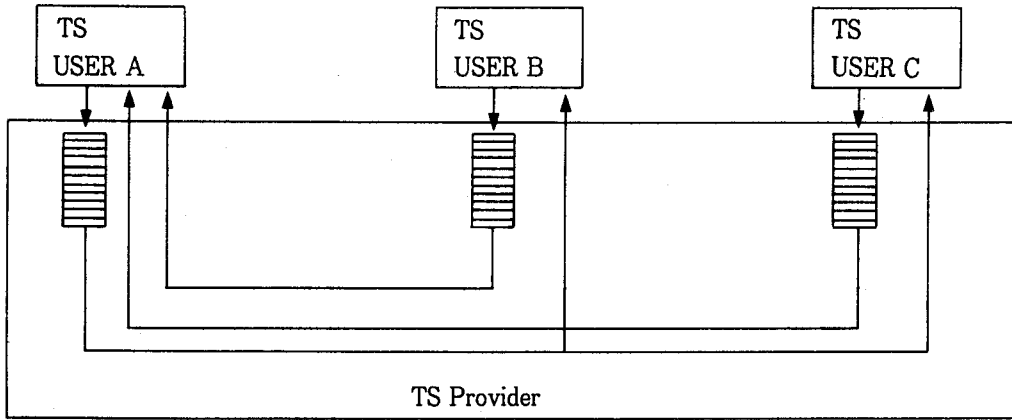


Figure 1. Abstract Model of a Multicast Group Connection Initiated by TS User A. There is no direct connection between User B and User C.

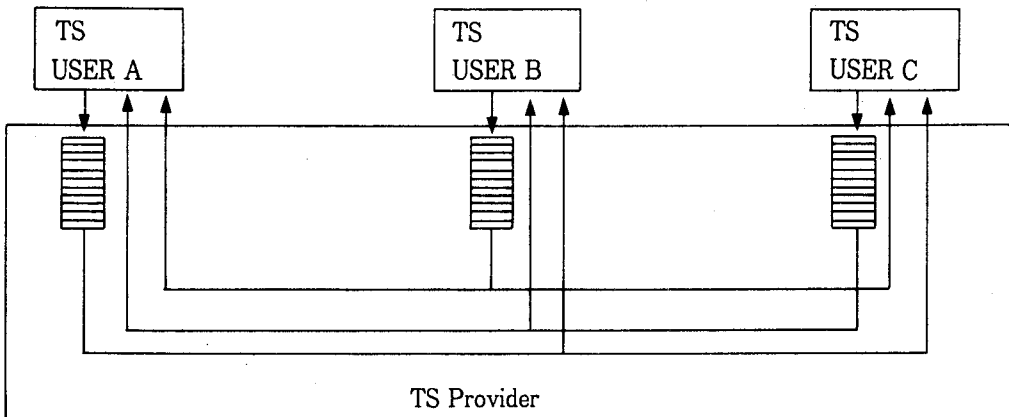


Figure 2. Abstract model of a fully connected Multipeer Group Connection

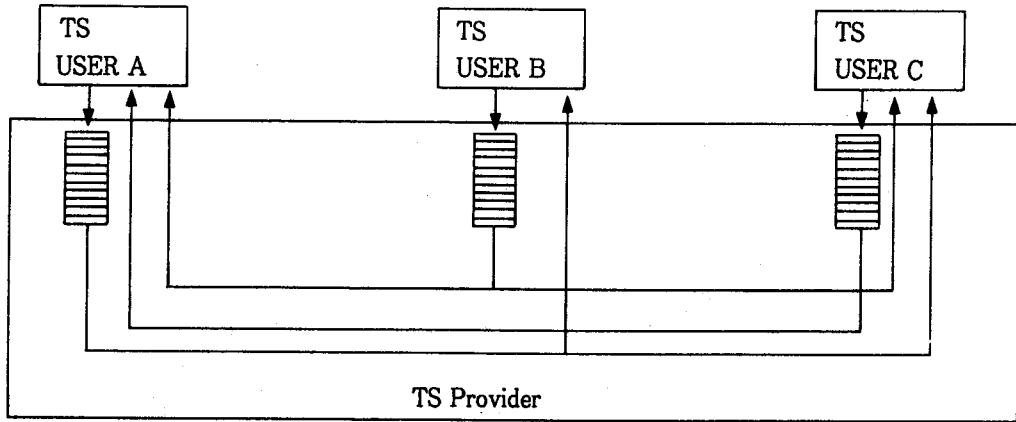


Figure 3. Abstract model of a partially connected Multipeer Group Connection

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Question : 23/7

SOURCE : Korea(Republic of)

TITLE : Comments on Draft Amendment to X.214 for the inclusion of Multicast Service

Abstract : According to the request for comments of the Draft Amendment to X.214 for the inclusion of Multicast service, some modifications and new proposals are included. Basic idea is to distinguish the concepts of “peer-to-peer”, “multicast”, and “multipeer”, separately. And those abstract models are presented as references.

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According to the document of Draft Amendment to X.214 for the inclusion of Multicast Service, only the Multipeer Data Transmission and the Group connection are defined in clauses 3.3.8 and 3.3.9 respectively. We believe that those are not sufficient and even well-defined. Here we suggest the followings.

Clause 3.3.2 Calling TS user

After the words “transport connection”, add the words “or group connection”

Clause 3.3.3 Called TS user

After the words “transport connection”, add the words “or group connection”

Clause 3.3.8 Multipeer Data Transmission

This clause should be replaced by the following Clause 3.3.a, 3.3.b and 3.3.c.

Rationale : In the followings, two definitions of Multicast transmission and Multipeer transmission are tried to be distinguished.

Peer-to-peer is One-to-one.

Multipeer means NOT peer-to-peer, i.e. NOT one-to-one.

Multicast is definitely neither peer-to-peer, nor multipeer itself.

Clause 3.3.9 Group Connection

This clause should be replaced by the following Clause 3.3.d and 3.3.e. Especially, there is a definition confliction : the term Transport Connection is explicitly defined as “...between two TS users for...” in the Clause 3.3.1 of X.214, even though it is based on the definition defined in X.210/ISO/IEC 7498.

Clause 3.3.a (Transport) Multicast Data Transmission

The transmission of a single datd unit(TSDU) from a source(TSAP) to one or more receivers (TSAPs) : It is an one to many transmission in a single service request. If it is defined in connectionless-mode service, it will be a simplex one-to-many transmission. And if it is defined in connection-mode service, it will be defined using multicast group connection.

Clause 3.3.b (TS)Group User

(TS)user participating in the (Transport) Multicast Data Transmission. (TS) Group consists of (TS) Group users. The Group may be defined by a previously-well-defined rule or by a Group-initiating TS user.

Clause 3.3.c (Transport)Multipeer Data Transmission

The data transmission of among the(TS) Group members. It may consists of one or more(Transport) Multicast Data Transmission(s) among the(TS) Group members.

Clause 3.3.d Multicast(Transport) Group Connection

An association established by a Transport Layer between a Group-initiating calling TS user and called TS users who are called and joined in the(TS) Group for the transfer of data, as shown in Figure 1. It is a one to many connection.

Clause 3.3.e Multipeer(Transport) Group Connection

An association established by a Transport Layer among TS users who are members of(TS) Group for the transfer of data. All connections among the group users may be fully connected, as shown in Figure 2. And also it may be possible to be partially connected as shown in Figure 3.

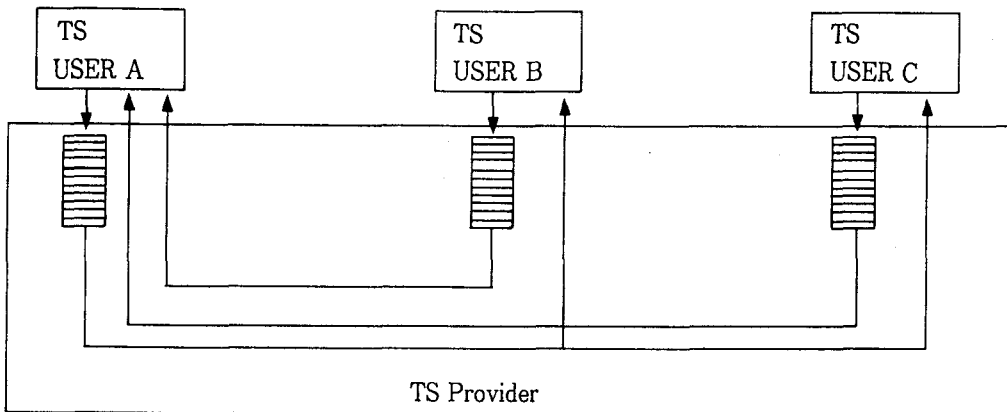


Figure 1. Abstract model of a Multicast Group Connection Initiated by TS User A. There is no direct connection between User B and User C.

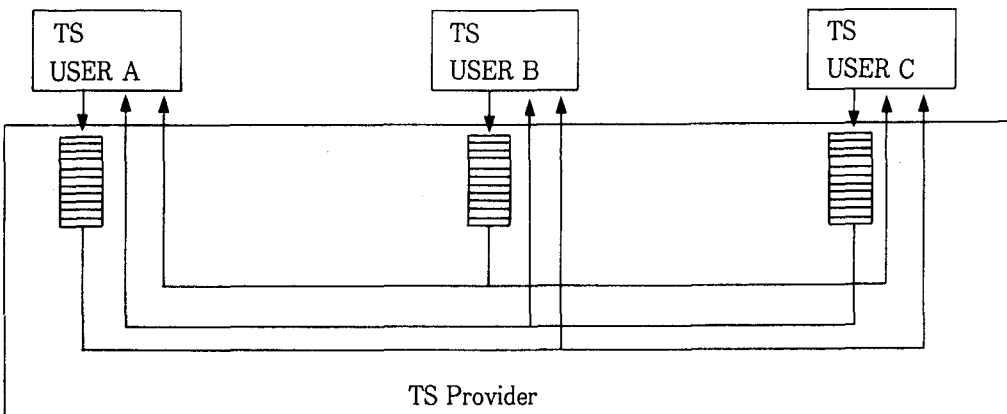


Figure 2. Abstract model of a fully connected Multipeer Group Connection

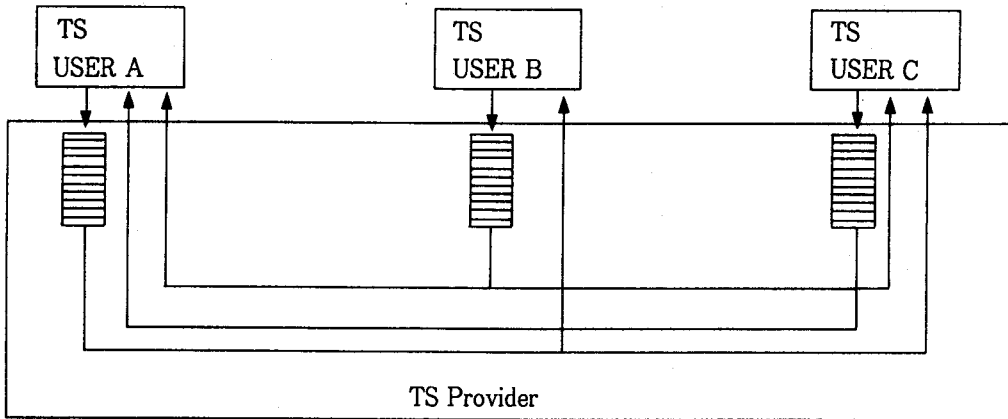


Figure 3. Abstract model of a partially connected Multipeer Group Connection

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STUDY GROUP 7

Original : English

Geneva, 8–16 February 1994

Questions : 7, 8, 10, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23 and 24/7

SOURCE : Liaison Officier to the ISO/IEC JTC1/SGFS Seoul Meeting('93. 7. 5~7. 9)

TITLE : Report on the ISO/IEC JTC1/SGFS Seoul Meeting('93. 7. 5~7. 9)

ABSTRACT : This document provides a brief report on the ISO/IEC JTC1/SGFS(Special Group on Functional Standardization) meeting which was held in Seoul during July 5-9, 1993.

1. Liaison from SG7 to JTC1/SGFS

The ISO/IEC JTC1/SGFS meeting was held in KT(Korea Telecom) Seoul, KOREA during July 5-9 1993 just after the ITU-T SG7 Plenary Meeting in June-July, 1993.

The vice-chairman, Mr. C. H. Yim, participated the JTC1/SGFS meeting as a liaison officier from the ITU-T. And he reported the "Study Group 7 Work Program for 1993-96 Study Period [N1002]" which contains the following documents to the JTC1/SGFS.

- TD 0058 : Liaison Statement to JTC1/SGFS on Study Group 7 Work Program for 1993-96 Study Period.
- TD 0059r : Summary Table on Status of X-Series Recommendations.
- TD 0065 : Liaison Statement to ISO/IEC JTC1/SGFS Providing a listing of ITU-T Study Group 7 Contact Persons for Informal Review of Proposed Draft ISPs.

2. Major Resolutions of the JTC1/SGFS Seoul Meeting

1) RESOLUTION 1-TR10000-1 and -3

The editors of TR10000-1 and TR10000-3 are instructed to produce new drafts of their respective documents based on the instruction given to the editors and make these documents

available at the SGFS Secretariat by August 27th, 1993, for circulation to the SGFS Member Bodies and Liaison Organizations for review and comment by November 1st, 1993.

2) RESOLUTION 3-TR10000-2.4

SGFS accepts the new version of WDTR 10000-2.4 as contained in SGFS N994 and instructs its Secretariat to distribute SGFS N994 among the SGFS Member Bodies and liaison Organizations "for comment". SGFS resolves not to forward SGFS N994 for Ballot at this time to allow additional changes to be effected by the SGFS Authorized Subgroup Meeting in November 1993, at which meeting the document is expected to be sent out for ballot. SGFS draws the attention of its Member Bodies and Liaison Organizations to the fact that a number of clauses of SGFS N994 are still "to be delivered", and urges them to provide contributions.

3) RESOLUTION 8-IQS Expert List

SGFS instructs its Secretariat to update and reissue SD-3 by August 13th, 1993 and request the submitters of ISPs to use this document when making use of the Informal Quality Service.

4) RESOLUTION 9-Directory of ISP

SGFS instructs its Secretariat to update and reissue SD-4 by August 13th, 1993 and request the workshops to provide the Executive Summaries to SGFS in time for the Authorized Subgroup Meeting in November 1993.

3. Current Status on the Work of ISO/IEC JTC1/SGFS

After the SGFS(Seoul) Meeting, an Authorized Subgroup Meeting of JTC1/SGFS was held in Amsterdam, November 29-December 3, 1993. The current status on the work of ISO/IEC JTC1/SGFS can be reported as follows.

1) Scope of Functional Standardization Effort

Recently, the SGFS has constructed the multi-part Technical Report (ISO/IEC 10000) covering the Framework and Taxonomy of International Standardized Profiles (ISPs) as follows:

TR 10000-1, General principles and framework [SGFS N1022]

TR 10000-2, Taxonomy of OSI profiles [SGFS N1085]

TR 10000-3, Principles and taxonomy for OSE profiles [SGFS N1024]

The new version of WDTR 10000-2.4 [SGFS N1085] has been approved by SGFS for DTR.

ballot in JTC1.

Part 1 and 3 of the TR 10000 are in working draft stage, and a White Paper [SGFS N1089] was drafted which discusses the identified issues to form an agreement before the June 1994 SGFS meeting. And the special workshops meeting on the progression for Parts 1 and 3 of TR 10000 would be in the 2nd half of February 1994.

2) Study Group 7 Experts for Informal Reviews of PDISPs

In order to improve the quality of proposed draft ISPs, an informal review is frequently conducted among identified subject matter experts. Study Group 7 experts will review that X-series Recommendations are reflected correctly.

Annex A [SGFS N1053] is the current list of Study Group 7 contacts. This list needs to be updated at the February 1994 meeting of Study Group 7.

3) Status of Effort on International Standardized Profiles

A large number of documents are in various stage of progression to ISP status.

Annex B [SGFS N1049] contains the current ISP status information.

Annex C [SGFS N1105] contains the current status of profiles for which ISP processing has been started.